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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,834	03/22/2004	Dong-Yeon Kim	59300-CIP (71970)	4234
	590 10/18/2007	EXAMINER		
EDWARDS ANGELL PALMER & DODGE LLP P.O. BOX 55874			PRYOR, ALTON NATHANIEL	
BOSTON, MA 02205			ART UNIT	PAPER NUMBER
			1616	
			MAIL DATE	DELIVERY MODE
			10/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)				
·	10/806,834	KIM ET AL.				
Office Action Summary	Examiner	Art Unit				
•		1616				
The MAILING DATE of this communication app	Alton N. Pryor ears on the cover sheet					
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMU! 36(a). In no event, however, may rill apply and will expire SIX (6) M cause the application to become	NICATION. a reply be timely filed  ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 7/25/6						
, <del></del>						
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x paπe Quayle, 1935 C	.D. 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-4 and 6-8</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1,2 and 6-8</u> is/are rejected.						
7) Claim(s) 3 and 4 is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) ☐ The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attach	ed Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
		• • • • • • • • • • • • • • • • • • •				
Attachment(s)						
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO/SB/08)</li> </ul>	o(s)/Mail Date  If Informal Patent Application					
3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application  6) Other:						

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#### **DETAILED ACTION**

Previous rejections not discussed below have been withdrawn in light of applicants' submissions on 7/25/07 and 7/30/07.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim1,2,6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Buerger et al (USPN 7081532; 7/25/06). Buerger teaches a compound of formula I where R1 is pyridyl, R2,R3,R4,R5, and R8 can be hydrogen and R6 is a radical II – N(R9)-C(X)-(Y)n-R10 and R7 is hydrogen or R6 is hydrogen and R7 is a radical of formula II. In the radical of formula II R9 can be hydrogen, X is oxygen, n can be zero and R10 is substituted phenyl. See abstract, columns 1-2. The reference discloses a number of substituted phenyls such as the instant piperidinyl-allkyl. For example, Buerger teaches the compound N-[4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino-phenyl]-4-piperidin-1-ylmethylbenzamide. See compound 7 in Examples 2-8 cited in column 22. Buerger teaches that the compound can be prepared in preparations to be delivered orally or by injection. See compound 20 lines 13-51. This compound appears to be an isomer of the instant compound claimed. It would have been obvious at the time the invention to make all isomeric structures including the ones of the instant claims. One would have been motivated to do this because isomeric forms of a

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compound would have been expected to yield similar activity when employed in an identical application.

## Claim Objection

Claims 3,4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art does not teach or suggest the instant compound of formula I having a piperazine substituent.

## Telephonic Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alton N. Pryor whose telephone number is 571-272-0621. The examiner can normally be reached on 8:00 a.m. - 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on 571-272-0646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alton Pryor

**Primary Examiner** 

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